

# For Efficient Pick-Up of Hazardous Wastes

## Critical Filter Vacuums

Frham Safety offers many sizes and configurations for safely trapping and containing nuclear, mercury, chemical, asbestos and other hazardous materials. Frham's Critical Filter vacuum Systems are the safest and most reliable way to collect contaminants, because each model contains an exclusive COPOLMTM H.E.P.A. (High Efficiency Particulate Air) filter with a copoly laminated media - for increased durability. Frham's H.E.P.A. filter is 99.99% effective at 0.12 micrometers. The Critical Filter Vacuums are approved for use in hospitals, "white rooms", electronic assembly areas, testing labs and nuclear plants - or wherever there is a need to remove hazardous materials and prevent its escape into the air.

## MANOMETER OPTION

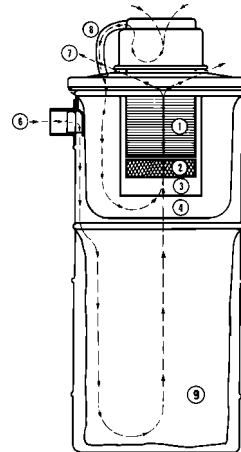
A manometer adapter can be added to any Minuteman H.E.P.A. operated vacuum with 15 or 30 gallon drum capacities. A manometer measures the negative pressure within the vacuum tank unit and alerts the operator when the filters need service.

## X-1000 Vacuums

A 3 stage by-pass motor and a 4-stage filtering system purifies all vacuum and motor cooling air of carbon dust and copper particles. Low noise level makes these vacuums ideally suited for dry only use in Class 1,000 to 100,000 white rooms, clean rooms, laboratories and pharmaceutical and biological research labs. May be converted to wet pick-up by using optional water shut-off module and 1:1 adapter. Available in 15, 30 and 55 gallon tank sizes.

### X-1000 Wet 30/55 Gallon

1. H.E.P.A. Filter
2. Impact Filter
3. Cloth Filter
4. Filter Protector
5. Disposable Bag
6. Intake
7. Exhaust
8. Motor Cooling Air Recirculation
9. Water Shut-Off

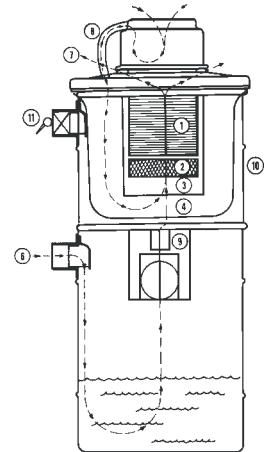


## MX-1000 Vacuums

This wet/dry vacuum, with optional dual intake system, features water shut-off module and disposable plastic bags. The powerful motor with a multi-stage impeller is whisper quiet but achieves extra high suction and static water lift. The MX-1000 Series are for use in nuclear plants, hot cells, hospital critical cleaning, Class 1,000 to 100,000 white rooms, clean rooms, biological and pharmaceutical labs.

### MX-1000 Wet

1. H.E.P.A. Filter
2. Impact Filter
3. Cloth Filter
4. Filter Protector
5. Disposable Bag
6. Intake
7. Exhaust
8. Motor Cooling Air Recirculation
9. Water Shut-off
10. 1:1 adapter
11. Plug Water Shut-Off Module



| SPECIFICATIONS       | X-1000 -15      | X-1000 -30      | X-1000 - 55     | MX-1000 W/D     | MX-1000 Dry     |
|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| <b>STATIC LIFT:</b>  | 130             | 130             | 130             | 130             | 130             |
| <b>AIR FLOW:</b>     | 100 CFM         | 100 CFM         | 100 CFM         | 100 CFM         | 100 CFM         |
| <b>HORSEPOWER:</b>   | 2.0             | 2.0             | 2.0             | 2.0             | 2.0             |
| <b>CORD:</b>         | 16-3/50'        | 16-3/50'        | 16-3/50'        | 16-3/50'        | 16-3/50'        |
| <b>WET CAPACITY:</b> | 12 gal          | 27 gal          | 47 gal          | 12 gal          | N/A             |
| <b>DRY CAPACITY:</b> | 1.9 gal         | 3.6 gal         | 7.2 gal         | 2.1 gal         | 2.1 gal         |
| <b>FILTER AREA:</b>  | 4603 sq. inches | 4603 sq. inches | 4603 sq. inches | 4603 sq. inches | 4603 sq. inches |
| <b>VOLTS:</b>        | 115/220         | 115/220         | 115/220         | 115/220         | 115/220         |
| <b>WET/DRY:</b>      | Optional        | Optional        | Optional        | Yes             | Optional        |
| <b>DRY ONLY:</b>     | Yes             | Yes             | Yes             | No              | Yes             |
| <b>WEIGHT:</b>       | 69 lbs          | 107 lbs         | 122 lbs         | 86 lbs          | 83 lbs          |
| <b>HEIGHT:</b>       | 35"             | 47"             | 53"             | 45"             | 45"             |
| <b>WIDTH:</b>        | 21"             | 25"             | 25"             | 21"             | 21"             |

€ Specifications subject to change without notice

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